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PARTICLE FLOCCULATION DISCRIMINATING DEVICE

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ABSTRACT

PURPOSE: To make possible the quick and exact automatic discrimination of flocculation by disposing a TV camera and light sources on the same side of a microplate and taking in the optical state of the microplate by the TV camera.

CONSTITUTION: An image taking-in device 1 is provided with a plate stage 4 which is formed of a light reflective material and on which the microplate is imposed in the lower part thereof. The stage 4 is so formed that the light transmitted through the microplate is reflected and can be made incident again on the microplate 3 if the microplate 3 to be imposed thereon is transparent. The solid-state element TV camera 6 and the two light sources 7 near the same are provided above the stage 4. The light sources 7 irradiate light to the microplate 3 and take the refracted light thereof as the information on the optical state into the TV camera 6. The inputted image signal is processed and the flocculation state is discriminated in an image processing unit 2.

